

CLAIMS

1. A method for wirelessly downloading a program to a mobile terminal, comprising the steps of:

5 receiving, from a first wireless network, guide information related to programs available for downloading;

selecting a particular program for downloading in response to the guide information;

transmitting selection information to the first wireless network;

10 detecting the presence of a coverage area of a second wireless network, the second wireless network and the first wireless network having an interworking function therebetween;

attaching to the second wireless network and authenticating via the first wireless network; and

15 receiving the program from the second wireless network in response to the authentication.

2. The method of claim 1, further comprising the step of

transmitting selection information to the second wireless network; and

20 receiving the program from the second wireless network in response to the authentication and a comparison between the selection information transmitted to the first and second wireless networks.

3. The method of claim 1, wherein the first receiving step further includes

25 receiving location information indicative of a location of the second wireless network.

4. The method of claim 3, wherein the guide information includes programs available for download at the second wireless network.

5 5. The method of claim 3, wherein the guide information includes programs available for download from the first wireless network through the second wireless network.

10 6. The method of claim 2, wherein the step of transmitting to the first wireless network comprises transmitting a program ID (PID) associated with the selected program.

15 7. The method of claim 6, wherein the step of transmitting to the second wireless network comprises transmitting a ciphered PTMSI and the PID associated with the selected program.

8. The method of claim 1, wherein the first wireless network comprises a cellular network and the second wireless network comprises a wireless LAN.

20 9. Apparatus for wirelessly downloading a program, comprising:
means for receiving, from a first wireless network, guide information related to programs available for downloading;
means for selecting a particular program for downloading in response to the guide information and user input;
25 means for transmitting selection information to the first wireless network;

means for detecting the presence of a coverage area of a second wireless network, the second wireless network and the first wireless network having an interworking function therebetween;

means for registering with the second wireless network and authenticating via
5 the first wireless network; and
means for receiving the program from the second wireless network in
response to the authentication.

10. The apparatus of claim 9, wherein the means for receiving guide
10 information also receives location information indicative of a location of the second
wireless network.

11. The apparatus of claim 9, wherein the means for transmitting to the first
wireless network transmits a program ID (PID) associated with the selected program.

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12. The apparatus of claim 11, wherein the means for transmitting to the
second wireless network transmits a ciphered PTMSI and the PID associated with the
selected program.

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13. The apparatus of claim 9, wherein the first wireless network comprises
a cellular network and the second wireless network comprises a wireless LAN.

14. A method for transmitting a program to a mobile terminal from a first
wireless network, comprising the steps of:

coupling the first wireless network to a second wireless network via an interworking function;

receiving identification information from a mobile terminal and registering the mobile terminal with the first wireless network;

5 transmitting the mobile terminal identification information to the second wireless network via the interworking function;

receiving authentication information from the second wireless network;

receiving program identification information from the mobile terminal;

receiving second program identification information from the second wireless

10 network;

comparing the program identification and the second program identification;

and

transmitting a requested program to the mobile terminal in response to the authentication information and the comparison of the first and second program

15 identifications.

15. The method of claim 14, further comprising the step of storing a plurality of programs available for download in the second wireless network.

20 16. The method of claim 14, further comprising the step of receiving the requested program from the second wireless network and storing the requested program in the first wireless network prior to receiving the request from the mobile terminal.

17. The method of claim 14, further comprising the step of retrieving the requested program from the internet and storing the requested program in the first wireless network prior to receiving the request from the mobile terminal.

5 18. The method of claim 14, further comprising the steps of receiving a cIPHERED PMTSI from the mobile terminal and a second cIPHERED PMTSI from the second wireless network and transmitting the requested program in response to the comparison of the first and second cIPHERED PMTSIs and the first and second program identifications.

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19. The method of claim 14, wherein the first wireless network comprises a wireless LAN and the second wireless network comprises a cellular network.